9051 Mira Mesa Blvd, #910094
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ATP5C1 Human

ATP Synthase Gamma Chain, Mitochondria Human Recombinant
RCP0143

Product Overview

Name	ATP5C1 Human

Description

ATP Synthase Gamma Chain, Mitochondria Human Recombinant

Accession (Primary)	P36542

Synonyms

ESE3, ESE3B, ESEJ, F-ATPase gamma subunit, ATP5C1, ATP5CL1, ATP5C, ATP synthase subunit gamma, mitochondrial.

Introduction

ATP synthase subunit gamma, mitochondrial isoform L (liver) (ATP5C1) is a member of the ATPase gamma chain family. ATP5C1 catalyzes ATP synthesis by using an electrochemical gradient of protons across the inner membrane throughout oxidative phosphorylation. The catalytic portion of mitochondrial ATP synthase is comprised of 5 different subunits (alpha, beta, gamma, delta, and epsilon) gathered with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3.

Source

Escherichia Coli.

Physical Appearance

Sterile Filtered clear solution.

Formulation

ATP5C1 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer, (pH 8.0), 0.4M Urea and 10% glycerol.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Purity

Greater than 90.0% as determined by SDS-PAGE.

Amino acid sequence

MGSSHHHHHH SSGLVPRGSH MGS ATLKDIT RRLKSIKNIQ KITKSMKMVA AAKYARAERE LKPARIYGLG SLALYEKADI KGPEDKKKHL LIGVSSDRGL CGAIHSSIAK QMKSEVATLT AAGKEVMLVG IGDKIRGILY RTHSDQFLVA FKEVGRKPPT FGDASVIALE LLNSGYEFDE GSIIFNKFRS VISYKTEEKP IFSLNTVASA

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DSMSIYDDID ADVLQNYQEY NLANIIYYSL KESTTSEQSA RMTAMDNASK NASEMIDKLT LTFNRTRQAV ITKELIEIIS GAAALD.

Precautions

ATP5C1 Human is for research use only and not for use in diagnostic or therapeutic procedures.

Target Information: (P36542)